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(54) Title: MICROORGANISM PRODUCING 5'XANTHYLIC ACID

(57) Abstract: The invention relates to *Corynebacterium ammoniagenes* CJXOL 0201 KCCM 10447 producing 5'-xanthyllic acid. More specifically, the invention relates to *Corynebacterium ammoniagenes* CJXOL 0201 KCCM 10447 which is a mutant strain of *Corynebacterium ammoniagenes* KCCM 10340 having a resistance to oligomycin. In order to obtain mutant strain having enhanced respiratory activity, the present invention adopted *Corynebacterium ammoniagenes* KCCM 10340 as parent strain and treated it with UV radiation and mutation derivatives such as N-methyl-N'-nitro-n-nitrosoguanidine(NTG) according to ordinary procedure. Therefore, *Corynebacterium ammoniagenes* CJXOL 0201 KCCM 10447 of the present invention makes it possible to increase ATP reproducing activity for same period of fermentation and can accumulate 5'-xanthyllic acid in culture medium at a high yield and concentration rate.

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